T63(DMX)i12

★ Introduction

Thanks for using T63 series light dimmer. T63 (DMX) 512 is an intelligent light dimmer dedicated to LED lighting. With the advanced micro-computer control technology, it converts the international standard digital control signal DMX512/1990 into virtual control signal. Of 256 levels grey scale, no stepless light dimming with knob, as well as light dim with remote. It is suitable for installation of commercial and household 86-style socket, computer digital output dimmer platform and connection to the simulation silicon box.

★ Product feature

- Model：T63 (DMX) i12
- To meet DMX512 standard protocol
- IR remote control
- Can be used with led lamps
- Can also be customized according clients' requirements

★ Technology specification

- Input signal:DMX512/1900
- Input voltage:DC12~24V
- No-load power consumption：≤1w
- IR remote distance：≤10m
- Operation temperature: 0-70℃
- Dimension: Master:87*87*56mm
- Remote: 86*40*79mm
- Packing dimension：96*90*72mm
- G.W.：≤150g

★ Function

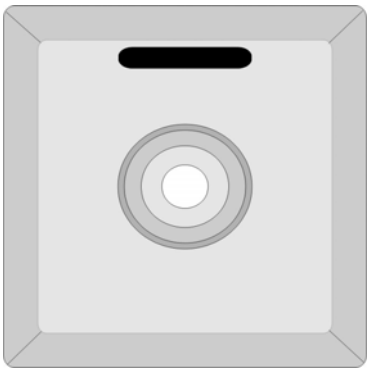
- brightness adjustment from 0 to 100％ with knob + wireless remote control, convenient and practical;
- 256-level gray-scale for soft and delicate lighting without flicker phenomenon;
- DMX512 signal control;
- Quick selection of four kinds of brightness 25%、50%、75%、100%;
- Four kinds of DIY modes, 30s delay turn-off, panel fluorescence (luminous) direct

and many other human-oriented designs.

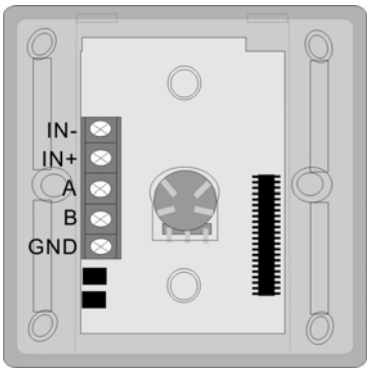
★ Safety instructions

- For installation, try to avoid the minefields, strong magnetic field and high-pressure area.
- Ensure that the wire is connected correctly and firmly in order to avoid short-circuit damage to parts and posing a fire hazard.
- Please install controller in a well-ventilated place to ensure that the surrounding temperature is moderate.
- Before using this product, please check the DC power and voltage meet the product technical requirements; positive and negative polarity is defined consistent to the product.
- If any problems do not make unauthorized repairs. Any doubts please contact your local supplier.
- All the right for the final explanation is ultimately owned by the company.

★ Product structure



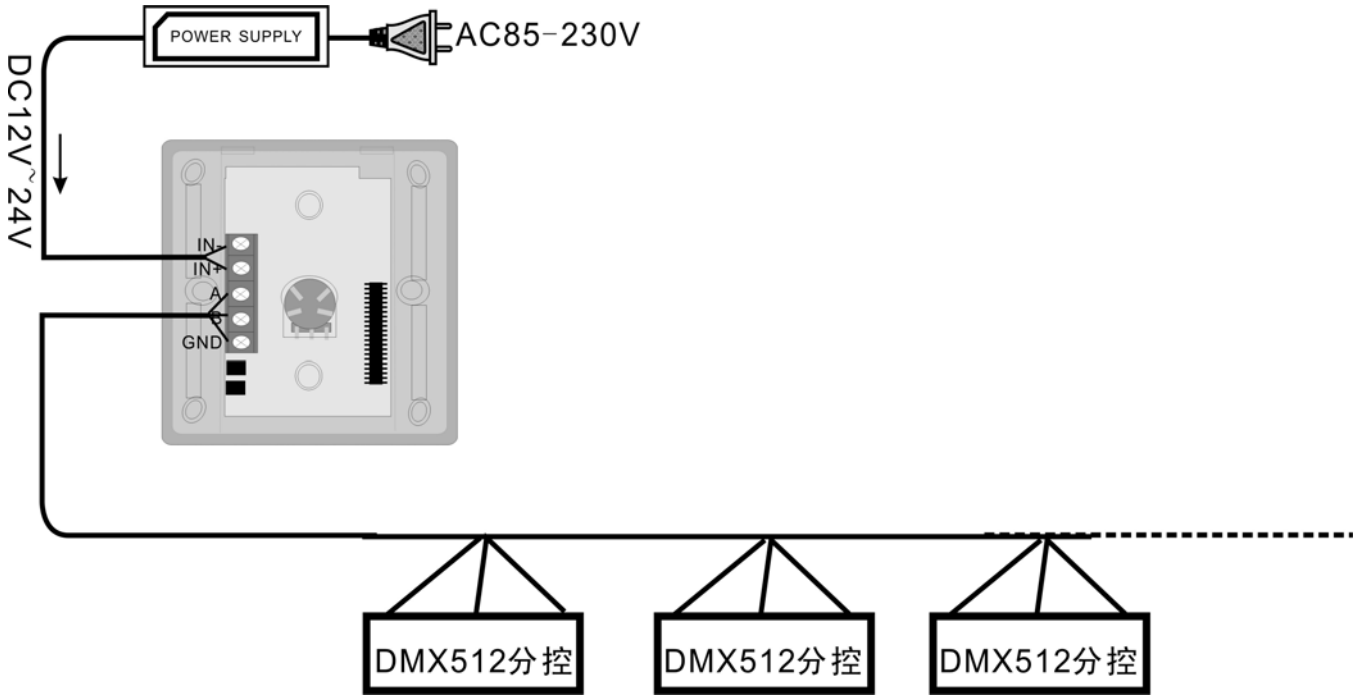
Front view



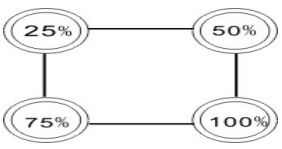
Back view

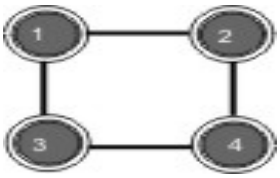
★ Connection diagram of dimmer and remote controller

- Dimmer and power connection diagram



◆ Remote key description

Symbol	Key name	description
	ON/OFF	on/off: turn on or off the led dimmer Under off, press any key to start the dimmer.
	DELAY/OFF	Delay/off: Press this key, led will delay turn-off for 30 seconds.
	BRT+/BRT-	BRT+/BRT-: increase / decrease LED brightness, total of 256 levels, press and hold can increase or decrease continuously.
	HOTKEY	Hotkey: press any key to quickly select different LED brightness level.

	SCENE	Scene: a total of four keys, press and hold a key for 3 seconds, dimmer light flashes 3 times. This shows the dimmer has saved the current brightness of the key on the keypad automatically, next time press to enter the default brightness directly, same settings for the other keys.

◆ Failure analysis and solutions

故障现象	原因分析	解决方法
No response when connect to DMX slave controller	1.Switching power does not work 2.Reversed polarity of power supply 3. Wrongly connected line or poor contact.	1. Check the power for the switch. 2. Change the polarity of the power supply. 3. Re-check the line connection.
Brightness of LED is not consistent	1. Output line is too long to cause the pressure drop. 2. Line diameter is too small to cause the pressure drop. 3. Power overload. 4. Controller overload.	1. Shorten supply lines or use loop supply. 2. Calculate the current and replacement of thick lines. 3. Change for a larger power. 4. Increase a power amplifier.

Tips: The effective power of switching power supply is generally only 85% of the marked power, so it is recommended in selecting the power supply, the user choose a slightly larger one than the LED load power, at least for more than 20%!